

Converting Colors

`RYB(171, 242, 209)`

Have a look what the booklet for
RYB(171, 242, 209) contains.

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Color

RYB(171, 242, 209)

Conversions

Conversions Part 1

Format	Color
Hex	CCF2AB
RGB	204, 242, 171
RGB Percent	80%, 95%, 67%
CMY	0.2000, 0.0510, 0.3294
CMYK	0.16, 0.00, 0.29, 0.05
HSL	92°, 73%, 81%
HSV	92°, 29%, 95%
XYZ	64.0047, 79.2819, 50.4576
YIQ	222.5440, 0.1430, -30.1370

Conversions

Conversions Part 2

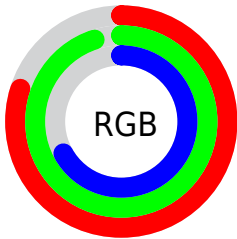
Format	Color
RYB	171, 242, 209
Decimal	13431467
CIELab	91.36, -24.51, 30.34
CIELCh	91, 39.001, 128.936
Yxy	79.2819, 0.3304, 0.4092
Android (android.graphics.Color)	4291621547 (0xFFCCCF2AB)
YUV	222.5440, -25.4112, -16.2631
Hunter-Lab	89.0404, -27.5100, 28.7297

Details

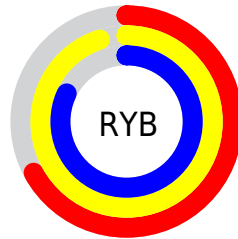
The RYB color **171, 242, 209** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **209, 171, 242**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **227, 255, 227**, and **118, 186, 155** is the 20% darker color. If you saturate the color by 10%, you get **147, 242, 198**, and if you desaturate by 10%, it is **195, 242, 220**.

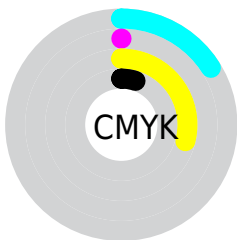
Distribution



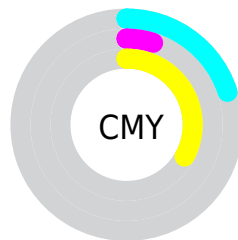
- Red (80%)
- Green (95%)
- Blue (67%)



- Red (67%)
- Yellow (95%)
- Blue (82%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)




- Cyan (20%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 242, 209 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 171, 242, 209 by changing the saturation by 10% instead.

 171, 242, 209


255, 255, 255


 227, 255, 227

 171, 242, 209

 144, 214, 182

 118, 186, 155

 93, 159, 129

 69, 132, 104

 45, 107, 80

 22, 83, 57

 0, 59, 35

 0, 37, 37

 0, 9, 9

■ 171, 242, 209

■ 171, 242, 209

■ 147, 242, 198

■ 195, 242, 220

■ 123, 242, 187

■ 219, 242, 231

■ 98, 242, 175

■ 243, 242, 244

■ 74, 242, 164

■ 255, 242, 255

■ 50, 242, 153

■ 26, 242, 142

■ 2, 242, 131

■ 0, 242, 130

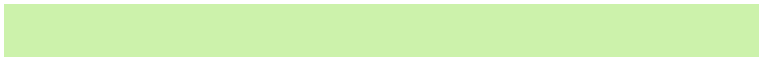
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



171, 245, 156



171, 242, 209



160, 220, 249

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



171, 242, 209



142, 195, 255



255, 202, 220

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



171, 242, 209



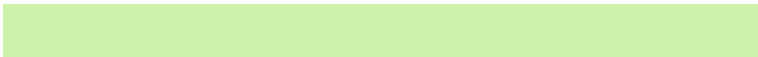
209, 171, 242

Split Complementary

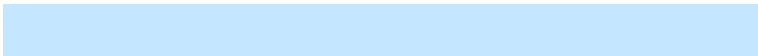
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 206, 255



171, 242, 209



197, 218, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



171, 242, 209



108, 180, 255



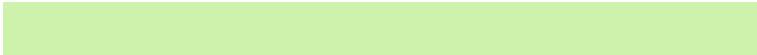
250, 217, 255



255, 217, 185

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



171, 242, 209



132, 198, 251



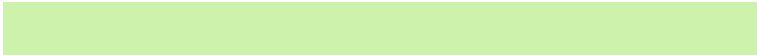
250, 217, 255



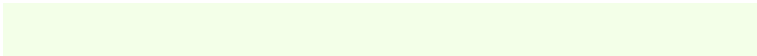
255, 202, 233

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



171, 242, 209



232, 255, 244



233, 242, 171



113, 128, 121



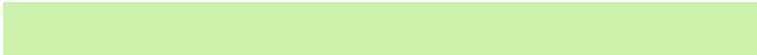
0, 0, 0



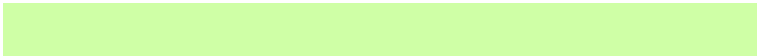
128, 128, 128

Same Dimension

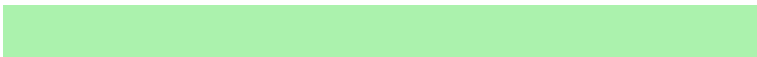
The Same Dimension uses a secret algorithm to generate beautiful new colors.



171, 242, 209



166, 255, 214



171, 240, 242



108, 120, 115



0, 184, 99



0, 56, 30

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



209, 171, 242



214, 166, 255



242, 171, 240



114, 108, 120



98, 0, 184



30, 0, 56

Previews

White Background



This preview shows how the RYB color 171, 242, 209 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 171, 242, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

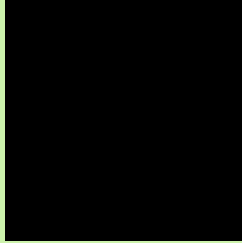
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

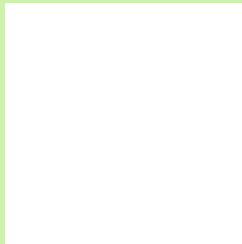
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 171, 242, 209 Background



This preview shows how black text looks on a background with the RYB color 171, 242, 209.

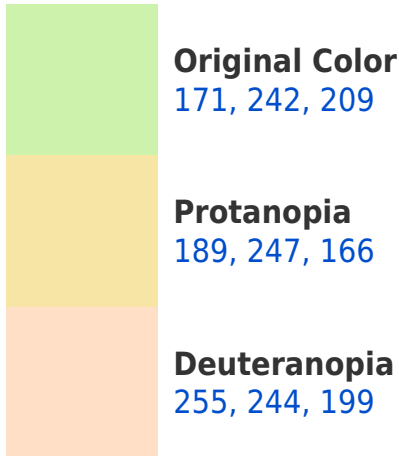


This preview shows how white text looks on a background with the RYB color 171, 242, 209.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





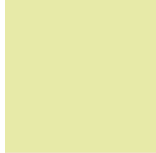
Tritanopia
216, 227, 250

Trichromacy



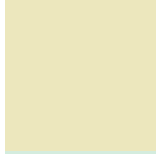
Original Color

171, 242, 209



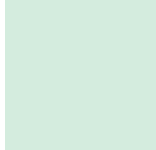
Protanomaly

168, 234, 171



Deuteranomaly

195, 236, 189



Tritanomaly

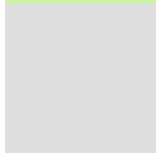
212, 229, 236

Monochromacy



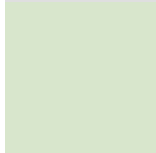
Original Color

171, 242, 209



Achromatopsia

223, 223, 223



Achromatomaly

204, 230, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 242, 209 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 242, 171)` looks like.

```
.text, #text, p{  
    color:rgb(204, 242, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 242, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 242, 171) }
```

Border

The CSS property to change the border of an element to RYB 171, 242, 209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 242, 171) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 242, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 242, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 242, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 242, 171);  
box-shadow:4px 4px 4px 4px rgb(204, 242,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 171, 242, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 242, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
242, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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